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3 L10

L9 L8 and plant

116 L9

L8 pfp

628 L8

L7 pyrophosphate adj fructose-6-phosphate adj phosphotransferase

1 L7

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L6 pyrophosphate adj fructose-6-phosphate adj phosphotransferase

1 L6

L5 L2 and phosphofructokinase.ab.

2 L5

L4 L3 and phosphofructokinase.ab.

0 L4

L3 L2 and sugarcane

1 L3

L2 L1 and transformed and plant

529 L2

L1 phosphofructokinase

1206 L1

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NEWS 8 Mar 22 TROTHREMO no longer available
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NEWS 21 Jun 10 PCTFULL has been reloaded
NEWS 22 Jul 02 FORESE no longer contains STANDARDS file segment

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=> s pfp and sugarcane
L1 7 PFP AND SUGARCANE

=> d L1 1-7

L1 ANSWER 1 OF 7 AGRICOLA
AN 91:44361 AGRICOLA
DN IND91020043
TI Sucrose metabolism related to growth and ripening in ***sugarcane***
internodes.
AU Dingle, S.E.; Smith, R.C.
CS USDA-ARS, Subtropical Research Lab., Weslaco, TX
AV DNAL 164.2 C983)
SD Crop science, Jan/Feb 1991. Vol. 31, No. 1. p. 172-177
Publisher: Madison, Wis. : Crop Science Society of America.
CODEN: CPSPAY; ISSN: 0011-183X
NTE Includes references.
IT Article
PS U.S. Prints not USDA, Experiment or Extension
LA English

L1 ANSWER 2 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1000:113172 BIOSIS
DN FREEV200000113172
TI Pyrophosphate:D-fructose-6-phosphate 1-phosphotransferase activity
patterns in relation to sucrose storage across ***sugarcane***
varieties.
AU Whittaker, Anne; Botha, Frederik C. (1)
CS 1) Institute for Plant Biotechnology, University of Stellenbosch,
Matieland, 7602 South Africa

SC Physiologia Plantarum, (Dec., 1999) Vol. 107, No. 4, pp. 379-386.
ISSN: 0031-9317.
DT Article
LA English
SL English

L1 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1991:172010 BIOSIS
DN BA91:91759
TI SUCROSE METABOLISM RELATED TO GROWTH AND RIPENING IN ***SUGARCANE***
INTERNEDES.
AU LINGLE S E; SMITH R C
CS USDA-ARS, SUBTROPICAL AGRICULTURAL RESEARCH LAB., 2413 E. HIGHWAY 83,
WESLACO, TEX. 78596.
SO CROP SCI, (1991) 31 (1), 172-177.
CODEN: CRPSAY. ISSN: 0011-183X.
FS BA; OLD
LA English

L1 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 2001:131053 CAPLUS
DN 135:285934
TI Sucrose transporting proteins of plants and their use in altering patterns
of sucrose transport and distribution in plants
IN Frommer, Wolf-Bernd; Ward, John M.; Weise, Andreas; Barker, Laurence;
Schulze, Waltraud; Kuehn, Christina
FA Germany
SO ECT Int. Appl., 102 pp.
CODEN: PIXXD2
ET Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001073086	A2	20011004	WO 2001-EP2148	20010226
	W: AL, AU, BE, CA, IL, JP, KR, LT, LV, MK, RO, SI, US, ZA			EW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,	
	ET, SE, TF				
	FE 10050233	A1	20011011	EE 2000-10050233	20001011
FRAI	DE 2000-10014672	A	20000324		
	DE 2000-10050233	A	20001011		

L1 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 2001:263716 CAPLUS
DN 135:285934
TI Allelic variation in the gene encoding pyrophosphate dependent
phosphofructokinase (***FFP***) in ***sugarcane***
AU Harvey, A. R.; Hockett, B. I.; Botha, F. C.
CS SASA Experiment Station, Mount Edgecombe, 4300, S. Afr.
SO Proceedings of the Annual Congress - South African Sugar Technologists'
Association (1999), 73rd, 134-136
CODEN: ESATAA; ISSN: 0373-045X
FB South African Sugar Technologists' Association
ET Journal
LA English
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE FE FORMAT

L1 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:82136 CAPLUS
 DN 152:219602
 TI Pyrophosphate:1-fructose-6-phosphate 1-phosphotransferase activity
 patterns in relation to sucrose storage across ***sugarcane***
 varieties
 AU Whittaker, Anne; Botha, Frederik C.
 CS Institute for Plant Biotechnology, University of Stellenbosch, Matieland,
 7602, S. Afr.
 SO Physiologia Plantarum (1999), 107(4), 379-386
 CODEN: PHPLAI; ISSN: 0031-9317
 FB Munksgaard International Publishers Ltd.
 LT Journal
 LA English
 PE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L1 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:225736 CAPLUS
 DN 114:225736
 TI Sucrose metabolism related to growth and ripening in ***sugarcane***
 internodes
 AU Lingle, Sarah E.; Smith, Robert C.
 CS Subtrop. Agric. Res. Lab., ARS, Weslaco, TX, 78596, USA
 SO Crop Sci. (1991), 31(1), 172-7
 CODEN: CRPSAY; ISSN: 0011-183X
 DT Journal
 LA English

=> s transformation and sugarcane

L2 304 TRANSFORMATION AND SUGARCANE

=> s 12 and fructose and phosphate and phosphotransferase

L2 1 L2 AND FRUCTOSE AND PHOSPHATE AND PHOSPHOTRANSFERASE

=> d 13 1

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:824429 CAPLUS
 DN 133:359795
 TI The rice actin 2 promoter and intron and their use for plant
 transformation
 IN DeElia, David; Wu, Fay
 PA Molecular Genetics Corporation, USA; Cornell Research Foundation, Inc.
 SO ECT Int. Appl., 180 pp.
 CODEN: EIMXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000070067	A1	20001123	WO 2000-US13303	20000512
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BF, BY, CA, CH, CN, CR,			
		CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,			
		ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,			

LV, MA, MB, MG, MF, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
 SO, SI, SP, SL, SV, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA,
 ZW, AM, AN, AY, EG, EL, MD, RU, TI, TM
 RW: BH, BM, BL, LS, MW, SD, SL, SZ, TG, ZW, AT, BE, CH, CY, DE,
 EG, ES, FI, FR, GB, GR, IE, IT, LI, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, CA, CN, CW, ML, MR, NE, SN, TD, TG
 EP 11790-1 A1 20020213 EP 2000-942636 20000512
 F: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, LI, LU, NL, SE, MC, PT,
 IE, FI, LT, LV, FI, RO
 PRAI US 1999-3123 4 A1 19990514
 WO 2000-US13303 W 20000512
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=> s puspoc(w)510
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 L5 1 PUBI(W) 510

=> d 15 1

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:334736 CAPLUS
 CN 134:348950

TI Tandem promoter SUC-1, its construction, DNA sequence and use in
transforming monocotyledonous plants, such as sugarcane
IN Greenwald, Jan-Hendrik; Botha, Frederik Coenraad
PA South African Sugar Association, S. Afr.; University of Stellenbosch,
Institute for Plant Biotechnology
SO PCT Int. Appl., 19 pp.
COHEN: PIKMDL
DT Patent
LA English
FAM.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001031897	A2	20010810	WO 2000-1B1601	20001106
WO 2001031897	A3	20011206		

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PFAI ZA 1999-6394 A 19991105
ZA 2000-2313 A 20000511

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118 1
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16 0 SUC(W)1(W)PROMTER

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L7 1 SUC(W; 1(W) PROMOTER

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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
AN 2001:338736 CAPLUS
DN 134:348960
TI Tandem promoter SUC-1, its construction, DNA sequence and use in
transforming monocotyledonous plants, such as sugarcane
IN Groenewald, Jan-Hendrik; Botha, Frederik Coenraad
PA South African Sugar Association, S. Afr.; University of Stellenbosch,
Institute for Plant Biotechnology
SO PCT Int. Appl., 13 pp.
CODEN: PIXXD2
ET Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001033897	A2	20010510	WO 2000-IE1601	20001106
	WO 2001033897	A3	20011206		
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	FW:	GH, GM, KE, LS, MW, ME, SD, SL, SE, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FF, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PFAI	ZA 1999-0454	A	19991105		
	ZA 2000-2313	A	20000511		

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=> s pfp and sucrose(w)content and transform?
L1 0 PFP AND SUCROSE(W) CONTENT AND TRANSFORM?

=> s pfp and sucrose and transform?
L2 0 PFP AND SUCROSE AND TRANSFORM?

=> s pfp and transform?
L3 44 PFP AND TRANSFORM?

=> s l3 and sucrose
L4 9 L3 AND SUCROSE

=> duplicate remove l4
DUPLICATE REMOVAL IS 'AGRICOLA, BIOSIS, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L4
L5 6 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)

=> d l5 1-6

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 2001:73123 CAPLUS
IN 135:2859:4

TI ***Sucrose*** transporting proteins of plants and their use in
altering patterns of ***sucrose*** transport and distribution in
plants

IN Frommer, Wolf-Bernd; Ward, John M.; Weise, Andreas; Barker, Laurence;
 Schulze, Waltraud; Kuchn, Christina
 PA Germany
 SO PCT Int. Appl., 102 pp.
 CITER: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	FIND	DATE	APPLICATION NO.	DATE
PI	WO 2001073086	A2	20011004	WO 2001-EP2148	20010226
	W: AL, AU, BF, CA, IL, JP, KR, LT, LV, MK, PO, SI, US, ZA				
	FW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TF				
	DE 10050233	A1	20011011	DE 2000-10050233	20001011
PRAI	DE 2000-10014672	A	20000324		
	DE 2000-10050233	A	20001011		

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:01503 CAPLUS
 DN 136:115466

TI Tobacco ***transformants*** with strongly decreased expression of
 pyrophosphate:fructose-6-phosphate expression in the base of their young
 growing leaves contain much higher levels of fructose-2,6-bisphosphate but
 no major changes in fluxes

AU Nielsen, Tom Hamborg; Stitt, Mark
 CS Department of Plant biology, Royal Veterinary and Agricultural University,
 Frederiksberg, 1871, Den.
 SO Planta (2001), 214(1), 106-116
 CODEN: PLANAB; ISSN: 0032-0935
 EB Springer-Verlag
 ET Journal
 LA English

FE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE FE FORMAT

L5 ANSWER 3 OF 6 AGRICOLA

DUPLICATE 1

AN 97:38354 AGRICOLA

DN IND20567268

TI Transgenic tobacco plants with strongly decreased expression of
 pyrophosphate: fructose-6-phosphate 1-phosphotransferase do not differ
 significantly from wild type in photosynthate partitioning, plant growth
 or their ability to cope with limiting phosphate, limiting nitrogen and
 suboptimal temperatures.

AS Paul, M.; Sonnenscheid, T.; Jaglowski, M.; Dennis, D.; Stitt, M.
 CS AFRC Institute of Arable Crop Research, Harpenden, Herts, UK.
 SO Planta, 1995, Vol. 196, No. 2, p. 277-283
 Publisher: Berlin ; New York : Springer-Verlag, 1925-
 CODEN: PLANAB; ISSN: 0032-0935

NTE Includes references

CY Germany

ET Article

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 4 OF 6 AGRICOLA

AN 94:50593 AGRICOLA

EN IN030412755
 TI Transgenic potato plants with strongly decreased expression of
 pyrophosphate:fructose-6-phosphate phosphotransferase show no visible
 phenotype and only minor changes in metabolic fluxes in their tubers.
 AU Hajirezaei, M.; Sonnwald, U.; Viola, R.; Carlisle, S.; Dennis, D.; Stitt,
 M.
 AV DNAL 4450 P633.
 SO Planta, 1994. Vol. 192, No. 1. p. 16-30
 Publisher: Berlin ; New York : Springer-Verlag, 1925-
 CODEN: PLANAB; ISSN: 0032-0935
 NTE Includes references
 CY Germany
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L5 ANSWER 5 OF 6 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
 AN 1994:01420 BIOSIS
 DN EREV199407071420
 TI Transgenic potato plants with strongly decreased expression of
 pyrophosphate:fructose-6-phosphate phosphotransferase show no visible
 phenotype and only minor changes in metabolic fluxes in their tubers.
 AU Hajirezaei, Mohammad; Sonnwald, Uwe; Viola, Roberto; Carlisle, Sarah;
 Dennis, David; Stitt, Mark (1)
 CS (1) Botanisches Inst., Univ. Heidelberg, Im Neuenheimer Feld 360, D-69120
 Heidelberg Germany
 SO Planta (Heidelberg), (1993) Vol. 192, No. 1, pp. 16-30.
 ISSN: 0032-0935.
 DT Article
 LA English

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
 AN 1969:35313 CAPLUS
 DN 70:35313
 TI Transducing particles of PBS 1
 AU Yamagishi, Hideo; Takahashi, Iwao
 CS McMaster Univ., Hamilton, Ont., Can.
 SO Virology (1968), 36(4), 639-45
 CODEN: VIRELX
 DT Journal
 LA English

=> FILE STNGUIDE
 COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
27.03	27.24

FULL ESTIMATED COST

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 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Jun 23, 2002 (20020628/UP).

=> s pfp

L6 0 PFP
0 PFP

=> file agricola biosis caplus enbase
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.48	27.72

FULL ESTIMATED COST

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FILE 'BIOSIS' ENTERED AT 11:41:24 ON 06 JUL 2002
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=> s pfp
L7 1400 PFP

=> s 17 and pfp(w)enzyme
L8 7 L7 AND PFP(W) ENZYME

=> d 18 1-7 au ti

L8 ANSWER 1 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AU WU M-X; ZHA G-J; LI P-S; LI X-M
TI A ROLE OF FRUCTOSE 2,6-BISPHOSPHATE IN THE REGULATION OF PYROPHOSPHATE
FRUCTOSE-6-PHOSPHATE PHOSPHOTRANSFERASE ACTIVITY IN RIPENING BANANA FRUIT.

L8 ANSWER 2 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AU BOTH A F C; DE VRIES C; SMALL J G C
TI IMMUNOLOGICAL CHARACTERIZATION OF THE PYROPHOSPHATE DEPENDENT
FRUCTOSE-6-PHOSPHATE PHOSPHOTRANSFERASE.

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS
AU Chorghade, Mukund S.; Csake, Csaba T.
TI Rational design of herbicides: synthesis of inhibitors of the
PFP ***enzyme***

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2002 ACS
AU Chorghade, Mukund S.; Csake, Csaba T.; Liu, Paul S.
TI The utility of 2,5-dideoxy-2,5-imino-D-mannitol as a ***PFP***
enzyme inhibitor

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2002 ACS
AU Chorghade, Mukund S.; Csake, Csaba
TI Rational design of herbicides: synthesis of inhibitors of the
PFP ***enzyme***

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2002 ACS
AU Wu, Minxian; Zha, Jinjuan; Li, Pingsheng; Dai, Xiaomi
TI A role of fructose 2,6-diphosphate in the regulation of pyrophosphate:

fructose 6-phosphate phosphotransferase activity in ripening banana fruit

L8 ANSWER 7 OF 7 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AU Chorghade M.S.; Cseke C.T.; Liu P.S.
TI The utility of 2,5-dideoxy-2,5-imino-D-mannitol as a ***PFP***
enzyme inhibitor.

=> d 18 1

L8 ANSWER 1 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1990:113793 BIOSIS
DN BA89:63284
TI A ROLE OF FRUCTOSE 2 6-EISEPHOSPHATE IN THE REGULATION OF PYROPHOSPHATE
FRUCTOSE-6-PHOSPHATE PHOSPHOTRANSFERASE ACTIVITY IN RIPENING BANANA FRUIT.
AU WU M-X; ZHA J-J; LI P-S; DZI X-M
CS SHANGHAI INST. PLANT PHYSIOL., ACAD. SINICA, SHANGHAI 200032.
SD ACTA PHYTOPHYSIOL SIN, (1989) 15 (2), 145-152.
CODEN: CWSPDA. ISSN: 0257-4829.
FS BA; OLD
LA Chinese

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	18.45	46.17

STN INTERNATIONAL LOGOFF AT 11:42:59 ON 06 JUL 2002